

# Yuriy Safronnynov

## Automation QA Engineer

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### PROFESSIONAL SUMMARY

Automation QA Engineer and SDET specializing in architecting and building test automation systems from the ground up. Designs scalable REST API and UI frameworks using Python, Selenium, and Robot Framework - owning the full lifecycle from framework architecture and CI/CD integration to test strategy execution and release validation. Built a 4,000+ test Robot Framework API suite covering 70%+ of production endpoints, and delivered Python + Selenium frameworks from scratch at two companies. Reduced critical production defects by 73%, increased automated test coverage by 62%, and cut manual QA effort by 79%. Brings depth across GitLab CI, Jenkins, Docker, and cloud environments, with applied experience in AI-assisted QA techniques including LLM-based test generation and anomaly detection.

### TECHNICAL SKILLS

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<b>Languages</b>	Python, JavaScript, TypeScript, Bash, PowerShell
<b>Test Automation</b>	Selenium, Robot Framework, PyTest, Puppeteer, Playwright, Cypress
<b>API Testing</b>	Postman, Robot Framework, REST Assured
<b>CI/CD</b>	GitLab CI, Jenkins, GitHub Actions
<b>Performance</b>	JMeter, Gatling
<b>Databases</b>	MongoDB, PostgreSQL, SQL
<b>Cloud/DevOps</b>	Docker, Kubernetes, AWS, Azure
<b>AI Tools</b>	OpenAI API, Anthropic API, Claude Code, GitHub Copilot, Cursor, LLM-based test data generation
<b>Frameworks</b>	Cucumber/Gherkin, BDD, TDD, Django, JUnit, TestNG
<b>Tools</b>	JIRA, TestRail, Zephyr, Git, GitLab
<b>Methodologies</b>	Agile, Scrum, Shift-Left Testing, Test-Driven Development (TDD)

### WORK EXPERIENCE

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#### Fortress Information Security

Nov 2021 - Present

##### Automation QA Engineer (Senior-Level) | Orlando, FL (Remote)

- Built and owned a Robot Framework API test suite from scratch covering 70%+ of REST endpoints across multiple microservices - growing to 4,000+ automated test cases and reducing API defect escape rate by 73%
- Designed and built a Python + Selenium UI automation framework from scratch, increasing test coverage from 38% to 62% and reducing manual QA effort by 79%
- Embedded quality gates into GitLab CI and Jenkins pipelines, establishing release-blocking checks that shortened deployment cycles by 31% and improved release reliability
- Defined and executed test strategies covering functional, regression, smoke, and integration testing - reducing critical production defects by 73% over 3 years
- Conducted performance and load testing using JMeter and Gatling, identifying 6 critical bottlenecks that improved application response times by 26%
- Mentored junior QA engineers through code reviews, pair testing, and automation best practices across 3+ concurrent projects
- Applied AI-assisted QA techniques - automated file comparison, anomaly detection, and LLM-based test data generation - reducing manual analysis time by ~40%
- Led initial build of a TypeScript automation project from scratch including full CI/CD pipeline architecture, then delivered a structured handover to the receiving team
- Drove shift-left quality practices by participating in design and requirements reviews, catching defects earlier in the SDLC

## Intetics

May 2017 – Nov 2021

### Quality Assurance Engineer | Miami, FL

- Designed and built a Python + Selenium + PyTest automation framework from scratch, delivering 500+ automated test cases across 3–5 concurrent client projects and reducing manual testing effort by 53%
- Built and maintained REST API test suites in Postman validating endpoints, response schemas, and frontend-to-backend data flows across web and mobile applications
- Implemented CI-integrated regression and smoke automation pipelines, reducing post-deployment defect escape rate by 44%
- Executed functional, regression, smoke, and integration testing across web and mobile platforms with full cross-browser and cross-device coverage
- Established test documentation standards in TestRail and managed full defect lifecycle in JIRA, improving QA traceability and cross-team collaboration

## CERTIFICATIONS

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Unit Test Development with Generative AI	Codecademy	Sep 2024
Develop Generative AI Applications: Get Started	Coursera	Dec 2025
Python for Data Science, AI & Development	Coursera	Aug 2024
Supervised Machine Learning: Regression & Classification	Coursera	Sep 2025

## EDUCATION

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National University of Economics and Trade | Master's Degree, Economics

Sep 2004 – May 2009